Author Index

Aymerich, F.	Ultrasonic measurements of nominal contact area and contact pressure in a wheel–rail system	231–243
Beynon, J. H.	Equilibrium of crack growth and wear rates during unlubricated rolling–sliding contact of pearlitic rail steel	93–105
Beynon, J. H.	The effect of intermittent lubrication on the fatigue life of pearlitic rail steel in rolling–sliding contact	145–158
Bjarnehed, H.	Rolling contact fatigue of rails—finite element modelling of residual stresses, strains and crack initiation	7–19
Collop, A. C.	Rail movement and ground waves caused by high-speed trains approaching track–soil critical velocities	107–116
Dawson, A. R.	Rail movement and ground waves caused by high-speed trains approaching track–soil critical velocities	107–116
Ekberg, A.	Effects of imperfections on fatigue initiation in railway wheels	45–54
Fletcher, D. I.	Equilibrium of crack growth and wear rates during unlubricated rolling–sliding contact of pearlitic rail steel	93–105
Fletcher, D. I.	The effect of intermittent lubrication on the fatigue life of pearlitic rail steel in rolling–sliding contact	145–158
Fujimoto, H.	Influence of track gauge variation on rail vehicle dynamics (an examination based on comparison between data from a test train running on track with irregularity artificially set and numerical simulation)	223–230
Ghosh, S.	Stability of RYNSORD, a decentralized algorithm for railway networks, under perturbations	201–222
Ginesu, F.	Ultrasonic measurements of nominal contact area and contact pressure in a wheel–rail system	231–243
Gostling, R.	Towards 200 (Railway Division Chairman's Address)	1–5
Harding, A.	The Northern Line train service contract	55–60
Harrison, M. F.	The calculation of noise from railway viaducts and bridges	125–134
Heelis, M. E.	Rail movement and ground waves caused by high-speed trains approaching track–soil critical velocities	107–116
Ito, M.	Improvement to the aerodynamic characteristics of Shinkansen rolling stock	135–143
Johansson, A.	Rolling contact fatigue of rails—finite element modelling of residual stresses, strains and crack initiation	7–19
Johansson, A.	Out-of-round railway wheels—a literature survey	79–91
Jones, C. J. C.	The calculation of noise from railway viaducts and bridges	125–134
Josefson, B. L.	Rolling contact fatigue of rails—finite element modelling of residual stresses, strains and crack initiation	7–19
Kamata, S.	JR East takes up the challenge of 'searching for a railway that is kinder to the Earth'	117–122
Krishna Kumar, R.	Finite element simulation of arc welding distortion and correction in thin sidepanel sheets of a railway coach	27–43
Krylov, V. V.	Rail movement and ground waves caused by high-speed trains approaching track–soil critical velocities	107–116
Lee, T. S.	Stability of RYNSORD, a decentralized algorithm for railway networks, under perturbations	201–222
Manabe, K.	A hypothesis on a wavelength fixing mechanism of rail corrugation	21–26
Marais, J.	Effects of imperfections on fatigue initiation in railway wheels	45–54
Miyamoto, M.	Influence of track gauge variation on rail vehicle dynamics (an examination based on comparison between data from a test train running on track with irregularity artificially set and numerical simulation)	223–230
Nielsen, J. C. O.	Out-of-round railway wheels—a literature survey	79–91
Oldroyd, A. B.	An investigation into the attenuation of wind speed by the use of windbreaks in the vicinity of overhead wires	173–182
Pau, M.	Ultrasonic measurements of nominal contact area and contact pressure in a wheel–rail system	231–243
Petersson, M.	Noise-related roughness of railway wheel treads—full-scale testing of brake blocks	63-77

© IMechE 2000

Ringsberg, J. W.	Rolling contact fatigue of rails—finite element modelling of residual stresses, strains and crack initiation	7–19
Rochard, B. P.	A review of methods to measure and calculate train resistances	185–199
Sato, Y.	Development of new commuter trains in Tokyo	159–171
Scanlon, T. J.	An investigation into the attenuation of wind speed by the use of windbreaks in the vicinity of overhead wires	173–182
Schmid, F.	A review of methods to measure and calculate train resistances	185–199
Senthil Kumaran, M.	Finite element simulation of arc welding distortion and correction in thin sidepanel sheets of a railway coach	27–43
Sriraman, S.	Finite element simulation of arc welding distortion and correction in thin sidepanel sheets of a railway coach	27–43
Stickland, M. T.	An investigation into the attenuation of wind speed by the use of windbreaks in the vicinity of overhead wires	173–182
Tanifuji, K.	Influence of track gauge variation on rail vehicle dynamics (an examination based on comparison between data from a test train running on track with irregularity artificially set and numerical simulation)	223–230
Thompson, D. J.	The calculation of noise from railway viaducts and bridges	125–134
Watts, P.	The Northern Line train service contract	55–60

© IMechE 2000